

MICRO SWITCH™ Switches

Honeywell



Hazardous Area Limit Switches

Rugged. Reliable. Ready for use.

Honeywell has a complete family of hazardous area limit switches tailored to exact specifications for superior performance, extended productivity and increased safety.

Reduce operational and maintenance costs with Honeywell's hazardous area limit switches. Reliable and robust, these flexible switches are designed for a wide range of industrial applications, from mud pumps, valve positioning and pig position detectors to gate/door monitoring, conveyors and many more. Count on Honeywell Sensing and Productivity Solutions for global support, exceptional quality, and innovative design and technology.



Designed to endure the toughest applications

Features highlighted below relate to the
MICRO SWITCH™ BX, LSX, GSX, and CLSX Series



Sintered, bronze bearings enable longer operating life and increase resistance in corrosive environments

Field adjustability of operating head matches switch to application

Boss-and-socket head design for more secure head-to-body retention

Dual bearings deliver enhanced mechanical life

Twin shaft seals for improved environmental protection. Optional fluorosilicone seals extend operating temperature down to -40 °C [-40°F]

Diaphragm seal adds an extra measure of dynamic sealing between head and body

Rugged zinc head and aluminum body are phosphate treated and epoxy coated

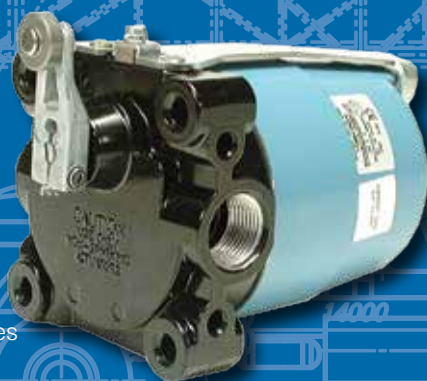
Two flame paths: one in the cover-housing threads; another between the switch cavity and head

Cover o-ring seal maintains NEMA and IP environmental sealing for the switch cavity

0.5 in or 0.75 in conduit options



14CE100:
smallest available footprint with pre-leaded cable



CX:
designed for use with valves



GSX:
compact footprint with SPDT capabilities and pre-leaded cable



EX:
original hazardous area MICRO SWITCH™ with the largest installed base

Honeywell

MICRO SWITCH™ Hazardous Area Switches — BX, BX2, LSX, GSX, CLSX Series



BX Series

A global history of rugged performance in explosive environments and a broad portfolio of options to meet your needs



- Choice of aluminum or stainless steel housings for use in non-corrosive and corrosive environments
- Designed for use in the toughest climates (-40 °C to 70 °C [-40 °F to 158 °F])
- Silver contacts available for switching power loads and gold contacts for switching low-power loads
- Mounting pattern is interchangeable with the iconic HDLS MICRO SWITCH™ platform
- Multiple actuator and switching combinations are available



LSX Series

Weather-sealed product for operation in explosive environments in North America



- Silver contacts available for switching power loads and gold contacts for switching low-power loads
- Mounting pattern is interchangeable with the iconic HDLS MICRO SWITCH™ platform
- Optional availability for use in low temperatures (-40 °C [-40 °F])
- Multiple actuator and switching combinations are available



GSX Series

Combines proven MICRO SWITCH™ global safety limit switch product with an explosion-proof design to create a hazardous area safety switch



- Designed to ensure that even welded contacts will open and machine will stop in emergency situations
- SIL 3 rating for use in safety applications
- Switching contacts with positive break
- Optional gold contacts for switching low-power load
- For use on gates, cages, panels, and other applications requiring a machine to stop in an emergency



CLSX Series

Cable-pull switch designed for emergency stop protection in explosive environments



- Cable lengths may be 200 ft in straight line
- Positive opening of normally closed (NC) contacts
- For use with conveyors, perimeter guarding and more



APPLICATIONS

- Control valves and actuators
- Gate position detection
- Grain handling equipment
- Mining conveyors
- Mud pumps
- Offshore drilling
- Oil and gas drilling rigs
- Paint booths
- Pulp and paper coating
- Valve position monitoring
- Waste treatment

BUILT TOUGH

FOR THE TOUGHEST APPLICATIONS

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BX



LSX



GSX



CLSX

BX (20 mm): ATEX, IEC Ex, NEPSI Ex BX (NPT): ATEX, cULus, IEC Ex, KOSHA, NEPSI Ex BX2 (20 mm/NPT): ATEX, cULus, IEC Ex, NEPSI EX, IN METRO, EAC	UL, CSA	Agency Approvals	cULus, ATEX, IEC Ex, IN METRO	UL, CSA
NEMA 7 (Gas) Div 1&2, Class I, Groups B, C, & D; NEMA 9 (Dust) Div 1&2, Class II, Groups E, F, & G II 2 G Ex d IIC T6 Gb II 2 D Ex tb IIIC T85°C Db	NEMA 7 (Div. 1 & 2, Class I, Groups B, C, & D) NEMA 9 (Div. 1 & 2, Class II, Groups E, F, & G)	Hazardous Area Designations	NEMA 7 (Gas) Div. 1 & 2, Class I, Groups B, C, & D NEMA 9 (Dust) Div. 1 & 2, Class II, Groups E, F, & G II 2 G; Ex d IIC T6 II 2 D; Ex d tD A21 T85°C	NEMA 7 (Gas) Div. 1 & 2, Class I, Groups B, C, & D NEMA 9 (Dust) Div. 1 & 2, Class II, Groups E, F, & G
IP67; NEMA 1, 3, 4, 6, 13	IP67; NEMA 1, 3, 4, 6, 13	Sealing	IP67; NEMA 1, 4, 6, 12, 13	NEMA 1, 3, 4, 13
aluminum, epoxy coated stainless steel	aluminum, epoxy coated	Housing Material	aluminum, epoxy coated	aluminum, epoxy coated
side rotary, side rotary (maint.) side pin plunger, side pin plunger adj. side roller, side roller adj. top rotary, top pin plunger, top pin plunger adj. top roller plunger, wobble	side rotary, side rotary (maint.) side plunger, side plunger adj. side roller, side roller adj. top rotary, top plunger, top roller plunger, wobble	Actuators/Levers	side rotary, top pin plunger, top roller plunger, top roller lever	cable/rope, maintained
0.5 in - 14NPT conduit, 0.75 in - 14NPT conduit, 20 mm conduit	0.5 in - 14NPT conduit, 0.75 in - 14NPT conduit, 20 mm conduit	Termination	0.5 in - 14NPT conduit, 20 mm conduit	0.5 in - 14NPT conduit, 20 mm conduit
1NC 1NO SPDT snap action, double break 2NC 2NO DPDT snap action, double break 2NC 2NO DPDT snap action, double break, sequential 2NC 2NO DPDT snap action, double break, center neutral 3NC 1NO slow action, double break	1NC 1NO SPDT snap action, double break 2NC 2NO DPDT snap action, double break 2NC 2NO DPDT snap action, double break, sequential 2NC 2NO DPDT snap action, double break, center neutral	Circuitry	1NC 1NO snap action, 2NC 2NO snap action, 2NC slow action, 2NO slow action, 1NC 1NO BBM slow action, 1NC 1NO MBB slow action, 2NC 1NO BBM slow action, 2NC 2NO BBM slow action, 3NC 1NO BBM slow action, 4NC slow action	1NC direct acting, 1NO 1NO direct acting, 2NC direct acting
-40 °C to 70 °C [-40 °F to 158 °F]	-12 °C to 121 °C [10 °F to 250 °F] optional (-40 °C [-40 °F])	Operating Temp. (std)	-40 °C to 70 °C [-40 °F to 158 °F]	-1 °C to 70 °C [30 °F to 158 °F]
10 A (thermal)	10 A (thermal)	Amp Rating	10 A (thermal)	10 A (thermal)
AC15 A600; DC13 R300	AC15 A600; DC13 R300	Voltage	AC15 A300, AC15 A500 AC15 A600, DC13 Q300	24 Vdc, 250 Vdc 120 Vac, 240 Vac, 600 Vac
External and internal	Internal	Grounding screw	External and internal	Internal



MICRO SWITCH™ Hazardous Area Switches — BX, BX2, and LSX Series

BX		F	3K		
Switch Type	Conduit Threads	Head Style*	Body/Basic Switch Code	Actuator Modification	Actuator Options
BX Series Aluminum Hazardous Area Limit Switch	1/2 or 3/4 NPT** 4 20 mm	A * Side rotary; momentary B Top rotary; momentary C * Top pin plunger, momentary D * Top roller plunger, momentary E * Side pin plunger; momentary F * Side roller plunger; momentary H * Side rotary, momentary; low PT, low torque J Wobble stick K Cat whisker L * Side rotary; sequential, momentary M * Side rotary; central neutral, momentary N * Side rotary; maintained P * Side rotary, momentary; low PT and DT R * Side rotary, momentary; low torque V Top pin plunger, adjustable, momentary W Side pin plunger, adjustable, momentary	1A 3NC/1NO, slow acting, 3/4 - 14 NPT 1E 3NC/1NO, slow acting, 3/4 - 14 NPT gold-plated contacts 3E 1NC/1NO, snap action, 1/2 - 14 NPT gold-plated contacts 3K 1NC/1NO, snap action, 1/2 - 14 NPT 4K 1NC/1NO, snap action, 3/4 - 14 NPT 4L 2NC/2NO, snap action, 3/4 - 14 NPT 4M 2NC/2NO, snap action, sequential, 3/4 - 14 NPT 4N 2NC/2NO, snap action, center neutral, 3/4 - 14 NPT 4S 2NC/2NO, snap action, 3/4 - 14 NPT gold-plated contacts 4T 2NC/2NO, snap action, sequential, 3/4 - 14 NPT, gold-plated contacts 4U 2NC/2NO, snap action, center neutral, 3/4 - 14 NPT, gold-plated contacts 7L 2NC/2NO, snap action, 1/2 - 14 NPT 7N 2NC/2NO, snap action, center neutral, 1/2 - 14 NPT 7S 2NC/2NO, snap action, 1/2 - 14 NPT gold-plated contacts 7T 2NC/2NO, snap action, sequential, 1/2 - 14 NPT, gold-plated contacts 7U 2NC/2NO, snap action, center neutral, 1/2 - 14 NPT, gold-plated contacts	1 CW rotation 2 CCW rotation 3 Right-oriented actuator head assembly 4 Left-oriented actuator head assembly 5 Head assembled with actuator to mounting surface 6 Roller perpendicular to mounting surface 8 Roller parallel to mounting surface	1A * Fixed Ø 0.75 in x 0.25 in W nylon roller, 1.5 in radius, front mount 1C * Fixed Ø 0.75 in x 0.25 in W nylon roller, 1.5 in radius, back mount 2A * Adjustable, Ø 0.75 in x 0.25 in W nylon roller, front mount 2C * Adjustable, Ø 0.75 in x 0.25 in W nylon roller, back mount 2J Adjustable, Ø 1.0 in x 0.5 in W nylon roller, front mount 2K Adjustable, Ø 1.0 in x 0.5 in W nylon roller, back mount 3S Yoke, Ø 0.75 in x 0.25 in W nylon rollers, same side, back mount 4M Hub rod, aluminum 5A Offset, Ø 0.75 in x 0.25 in W nylon roller, back mount 5C Offset, Ø 0.75 in x 0.25 in W nylon roller, front mount 7A Plastic wobble stick 8A Cat whisker, 5.5 in
BX2 Series Stainless Steel Hazardous Area Limit Switch	NOTE: if 1/2 NPT or 3/4 NPT conduit is desired, no code is necessary. Leave- blank. If conduit code "4" in this column is selected, conduit in Body/Basic Switch column does not apply.				



To order high temperature versions, insert the additional letters **Y** and **C** in the appropriate places in the standard catalog listing, as shown below:

BXA3K	standard, side-rotary plug-in switch
BXYAC3K	completely FC-sealed version of BXA3K

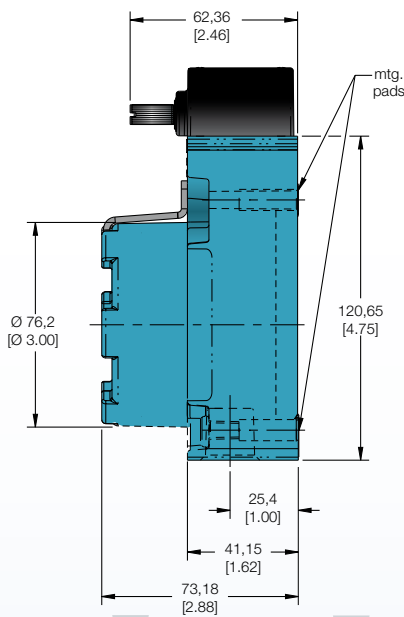
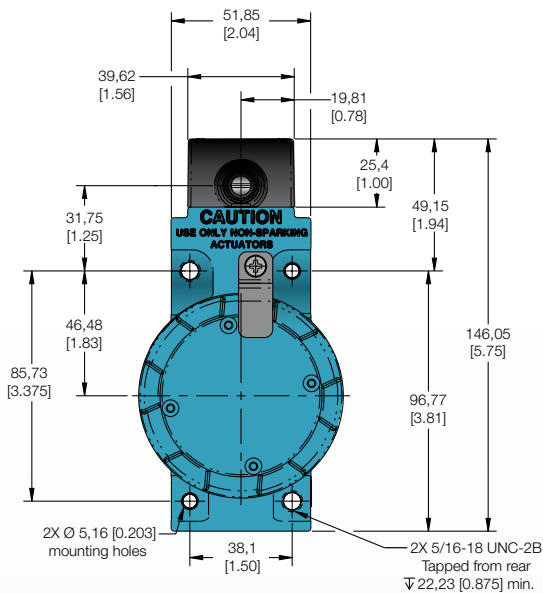
Δ Not available with conduit code 4.

* BX2 stainless steel "head styles" and "actuators" available

Levers for Side Rotary Actuated Switches

Code	Catalog Listing	Material	Roller Dia. (in)	Roller Width (in)	Roller Mounting
Fixed 1.5 inch radius					
1		Rollerless	n/a	n/a	n/a
1A	LSZ51A	Nylon	0.75	0.25	Front
1C	LSZ51C	Nylon	0.75	0.25	Back
Adjustable 1.5 in to 3.5 in radius					
2		Rollerless	n/a	n/a	n/a
2A	LSZ52A	Nylon	0.75	0.25	Back
2C	LSZ52C	Nylon	0.75	0.25	Front
2J	LSZ52J	Nylon	1.0	0.50	Front
2K	LSZ52K	Nylon	1.5	0.25	Front
Yoke - 1.5 in radius					
3E	LSZ53E	Nylon	0.75	0.25	Back/Front
3M	LSZ53M	Nylon	0.75	1.25	Back/Front
3S	LSZ53S	Nylon	0.75	0.25	Front/Front

Code	Catalog Listing	Material	Roller Dia. (in)	Roller Width (in)	Roller Mounting
Rod					
4		Hub only	n/a	n/a	n/a
4M	LSZ54M	Alum, 5.5 in	n/a	n/a	n/a
Offset - 1.5 in radius					
5		Rollerless	n/a	n/a	n/a
5A	LSZ55A	Nylon	0.75	0.25	Back
5C	LSZ55C	Nylon	0.75	0.25	Front
Wobble stick					
7A	LSZ1JGA	Delrin™ rod, 5.5	n/a	n/a	n/a
Short fixed - 1.3 in radius					
9A	LSZ59A	Nylon	0.75	0.25	Front
9C	LSZ59C	Nylon	0.75	0.25	Back



Honeywell MICRO SWITCH™
BX Series and LSX have consistent
dimensions

LSX
Switch Type
**LSX Series
Hazardous
Area
Switch**

J
Head Style

3K
Circuitry and
Conduit Connection

-
Modification
Code

7A
Actuator
Options**

A	Side rotary; momentary	3E	1NO/1NC, gold contacts, 1/2-14NPT	1	CW rotation	1	Fixed roller, 1.5 in radius
B	Top rotary; momentary	3K	1NO/1NC, 1/2-14NPT	2	CCW rotation	1A	Fixed 0.75 in x 0.25 in nylon roller, 1.5 in radius
C	Top plunger, plain	3N	SPNC direct acting, 1/2-14NPT	3	Head assembled with actuator to right side	1C	Fixed 0.75 in x 0.25 in nylon roller, 1.5 in radius
D	Top plunger, roller	4K	1NO/1NC, 3/4-14NPT	4	Head assembled with actuator to left side	2	Adjustable, rollerless
E	Side plunger plain; momentary	4L	2NO/2NC, 3/4-14NPT	5	Head assembled with actuator toward mounting surface	2A	Adjustable, 0.75 in x 0.25 in nylon roller
F	Side plunger roller; momentary	4M	2NO/2NC, 3/4-14NPT, sequential operation	6	Roller perpendicular to mounting surface	2C	Adjustable, 0.75 in x 0.25 in nylon roller
H	Side rotary, momentary; low PT, low torque	4N	2NO/2NC, 3/4-14NPT, center neutral	8	Roller on side plunger in vertical position	2J	Adjustable, 1.0 in x 0.5 in nylon roller
J	Wobble stick	4S	2NO/2NC, gold contacts, 3/4-14NPT			2K	Adjustable, 0.5 in x 0.25 in nylon roller
K	Whisker	4T	2NO/2NC, gold contacts, 3/4-14NPT, sequential operation			3E	Yoke, 0.75 in x 0.25 in nylon roller
L	Side rotary; sequential	4U	2NO/2NC, gold contacts, 3/4-14NPT, center neutral			3M	Yoke, 0.75 in x 0.25 in nylon roller
M	Side rotary; central neutral	7L	2NO/2NC, 1/2-14NPT			3S	Yoke, 0.75 in x 0.25 in nylon roller, same side
N	Side rotary; maintained	7M	2NO/2NC, 1/2-14NPT, sequential operation			4	Hub only
P	Side rotary, momentary; low PT and DT	7N	2NO/2NC, 1/2-14NPT, center neutral			4M	Hub rod, aluminum
R	Side rotary, momentary; low torque	7S	2NO/2NC, gold contacts, 1/2-14NPT			5	Offset, rollerless
U	Side rotary, low pre-travel	7T	2NO/2NC, gold contacts, 1/2-14NPT, sequential operation			5A	Offset, 0.75 in x 0.25 in nylon roller
V	Top plunger, adjustable	7U	2NO/2NC, gold contacts, 1/2-14NPT, center neutral			5C	Offset, 0.75 in x 0.25 in nylon roller
W	Side plunger, adjustable					7A	Plastic wobble stick

** Levers can be ordered separately.
See Levers for Side Rotary Actuated Switches table

Not all combinations available. Please contact Honeywell for assistance.

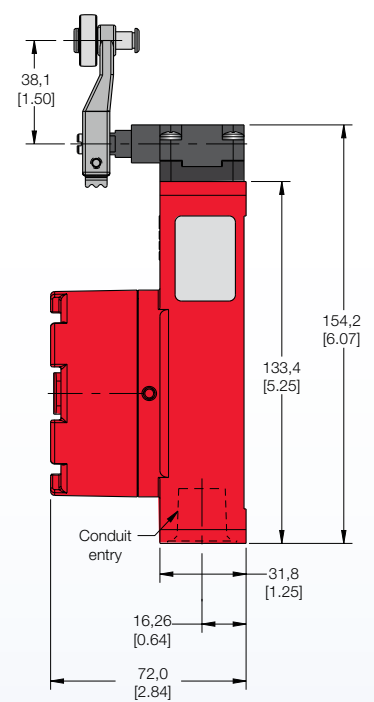
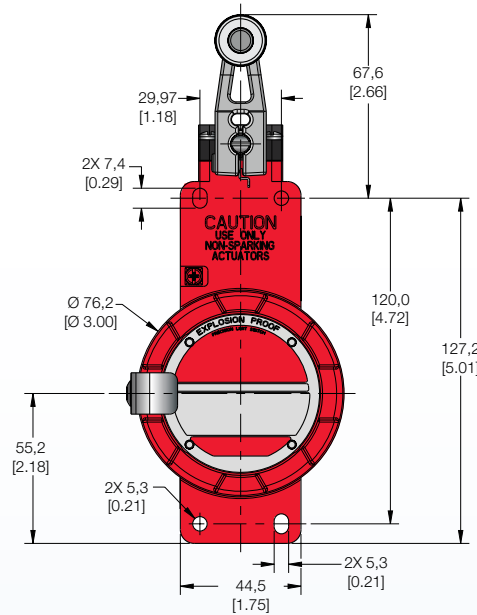
To order high temperature versions, insert the additional letters **Y** and **C** in the appropriate places in the standard catalog listing, as shown below:

LSXA3K	standard, side-rotary plug-in switch
LSXYAC3K	completely FC-sealed version of LSXA3K

To order low temperature versions, insert the additional letters **Y** and **B** in the appropriate places in the standard catalog listing, as shown below:

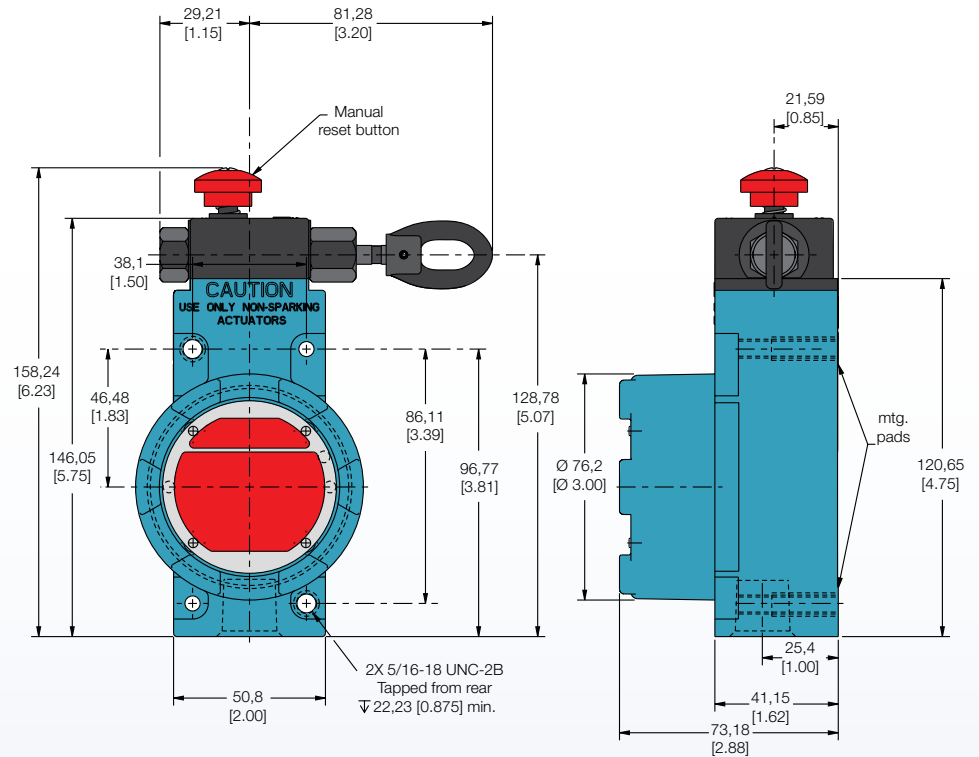
LSXA3K	standard, side-rotary plug-in switch
LSXYAB3K	low-temperature version of LSXA3K

MICRO SWITCH™ Hazardous Area Switches — GSX Series



GSX	A	01	B			
Switch Type	Conduit Connection	Circuitry	Head Style	Actuator Style	Lever Roller	Modifications/ Specials
GSX Series Hazardous Area Safety Switch	A 1/2 in NPT	01 Snap action, 1NC/1NO	A Side rotary; momentary	1 Fixed length roller	A 19.0 mm x 6.35 mm [0.75 in x 0.25 in] nylon roller	1 Clockwise rotation
	B PG 13.5	03 Slow action, 1NC/1 NO, BBM	B Top pin plunger	3 Yoke roller	C 24.4 mm x 12.7 mm [1.0 in x 0.5 in] nylon roller	2 Counter-clockwise rotation
	C 20 mm	04 Slow action, 1NC/1 NO, MBB	C Top roller plunger	5 Offset roller	D 38.1 mm x 6.35 mm [1.5 in x 0.25 in] nylon roller	3 Head assembled with actuator to right side
		05 Slow action, 2NO	D Top roller lever		E 19.0 mm x 6.35 mm [0.75 in x 0.25 in] bronze roller	4 Head assembled with actuator to left side
		06 Slow action, 2NC			W 40 mm x 12.7 mm [1.5 in x 0.5 in] bronze roller	5 Head assembled with actuator to mounting surface
		07 Snap action, 1NC/1NO, gold contacts			Y 50.9 mm x 12.7 mm [2.0 in x 0.5 in] rubber roller	6 Roller perpendicular to mounting surface
		20 Snap action, 2NC/2NO				
		22 Snap action, 2NC/2NO, gold contacts				
		33 Slow action, 1NC/1NO, BBM				
		34 Slow action, 1NC/1NO, MBB, gold contacts				
		35 Slow action, 2NO, gold contacts				
		36 Slow action, 2NC, gold contacts				
		40 Slow action, 4NC				
		41 Slow action, 4NC, gold contacts				
		42 Slow action, 2NC/1NO, BBM				
		43 Slow action, 2NC/1NO, BBM, gold contacts				
		44 Slow action, 2NC/2NO, BBM				
		45 Slow action, 2NC/2NO, BBM, gold contacts				
		46 Slow action, 3NC/1NO, BBM				
		47 2NO/2NC, center neutral, high fidelity contacts, 0.5 in tap				

MICRO SWITCH™ Hazardous Area Switches — CLSX Series



CLSX	B	1	A	
Switch Type	Conduit Connection	Circuitry	Body and Operation	Modification Code
CLSX Series Hazardous Area Safety Switch	B 0.5 in NPT conduit opening	1 1NC direct acting	A Maintained, red body	B 1NO/3NC, slow acting
	E 0.75 in NPT conduit opening	2 1NO/1NC snap action	B Momentary, blue body	E 2NO/2NC, slow acting
		4 1NO/1NC direct acting	N Maintained w/o broken cable detection, red body	F 1NO/3NC, slow acting gold plated
		8 2NC direct acting		1 Head oriented, left
		9 Special basic - see lettered modifications		2 Head oriented, front
				3 Head oriented, rear

MICRO SWITCH™ Hazardous Area Switches — CX, EX, 14CE100, GXE Series



CX Series

Weather-sealed, explosion-proof switch designed for outdoor use in hazardous atmospheres

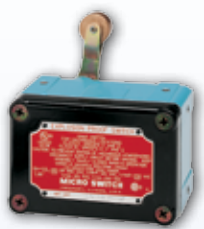


- Ability to monitor quarter-turn and linear valve position
- Automates existing, non-automated valves
- Pin plunger and side-rotary versions
- Hermetically sealed elements available
- Housing available in short and standard lengths
- Available with analog 4 mA to 20 mA output and/or discrete switching capabilities
- Optional gold contacts for switching low-power load
- Up to six NC and six NO contacts



APPLICATIONS

- Control valves and actuators
- Gate position detection
- Grain handling equipment
- Mining conveyors
- Mud pumps
- Offshore drilling
- Oil and gas drilling rigs
- Paint booths
- Pulp and paper coating
- Valve position monitoring
- Waste treatment



EX Series

The original hazardous area MICRO SWITCH™ with the largest installed base



- Mounts from any of four sides
- Hermetically sealed elements available
- Option for two conduit openings
- Variety of levers and actuators
- Optional gold contacts for switching low-power load
- High temperature versions available (204 °C [400 °F])



14CE100 Series

Gang-mounting capability adds to application design flexibility for smaller machines and instruments



- Use where limited space is available
- Available with pin and roller plunger actuators
- Pre-leaded to minimize installation and procurement costs
- Optional gold contacts for switching low-power load



GXE Series

Compact, pre-leaded switch with DIN-sized body



- EN 50047 mounting compatible (GXE Series)
- EN 50041 mounting compatible (GXA Series)
- Double insulated switch cavity provides a second layer of electrical circuit protection
- Pre-wired; variety of heads, levers, and actuators
- Compact footprint for use where space is limited

FLEXIBLE TO MEET YOUR NEEDS



CX



EX



14CE100



GXE



GXA

UL, CSA, [ATEX (CE), IEC Ex, IN METRO (select models)]	UL, CSA, ATEX (CE), IEC Ex	Agency Approvals	ATEX (CE)	ATEX (CE), IEC Ex
NEMA 7 (Gas): Class I, Div. 1 & Div. 2, Groups B (14CX, 16CX, 24CX, 26CX, 36CX only), C, and D; NEMA 9 (Dust): Class II, Div. 1 & Div. 2, Groups E, F, and G ATEX/IEC Ex, INMETRO (Gas) II 2 G; Exd IIC T6 ATEX/IEC Ex, INMETRO (Dust) II 2 D; Exd tD A21 T85°C	NEMA 7 (Gas): Div. 1 & 2, Class I, Groups B , C, & D (select models) NEMA 9 (Dust): Div. 1 & 2, Class II, Groups E, F, & G II 2 G; EEx d IIB + H2 T6	Hazardous Designations	II 2 G; Ex d IIC T6 II 2 D; Ex tD A21 T85°C	II 2 G; EEx d IIC T6 II 2 D; Ex tD A21 T85°C
NEMA 1, 3, 4, 4X, 6, 6P, and 13; IP66	NEMA 1	Sealing	IP65, (IP66/IP67 boot sealed plungers)	IP66/67
aluminum epoxy coated, bronze	aluminum, epoxy coated	Housing Material	zinc, epoxy coated	zinc, epoxy coated
side rotary (choice of levers), side rotary (with flat shaft), plunger actuator	side rotary, top pin plunger, top roller plunger, manual	Actuators/Levers	top pin plunger, top roller plunger, cross-roller plunger	side rotary, top pin plunger, top roller plunger
3/4 - 14 NPT, M25 x 1,5 mm conduit	1/2 in - 14NPT conduit, lead wires	Termination	cable (various lengths)	5 m cable
1NC 1NO SPDT, 2NC 2NO DPDT, 6NC 6NO, 4 mA to 20 mA analog output, 4NC 4NO	1NC 1NO SPDT snap action, 1NC 1NO SPDT maintained, 2NC 2NO DPDT snap action	Circuitry	1NC 1NO SPDT snap action	1NC 1NO SPDT snap action
-25 °C to 85 °C [-13 °F to 185 °F] -40 °C [-40 °F] optional	-40 °C to 71 °C [-40 °F to 160 °F]	Operating Temp.	0 °C to 70 °C [32 °F to 158 °F]	-20 °C to 75 °C [-4 °F to 167 °F]
1 A, 10 A, 15 A, 20 A	1 A, 3 A, 10 A, 15 A, 20 A	Amp Rating	1 A (thermal), 5 A (thermal)	5 A (thermal)
120 Vac, 240 Vac, 480 Vac, 28 Vdc, 125 Vdc, 250 Vdc	125 Vac, 250 Vac, 480 Vac, 125 Vdc, 250 Vdc	Voltage	AC14 D300 DC13 R300	AC15, 4 A 250 V DC13, 0.15 A 250 V
external and internal	external and internal	Grounding screw	external and internal (ground wire provided)	none, double insulated



MICRO SWITCH™ Hazardous Area Switches — EX Series

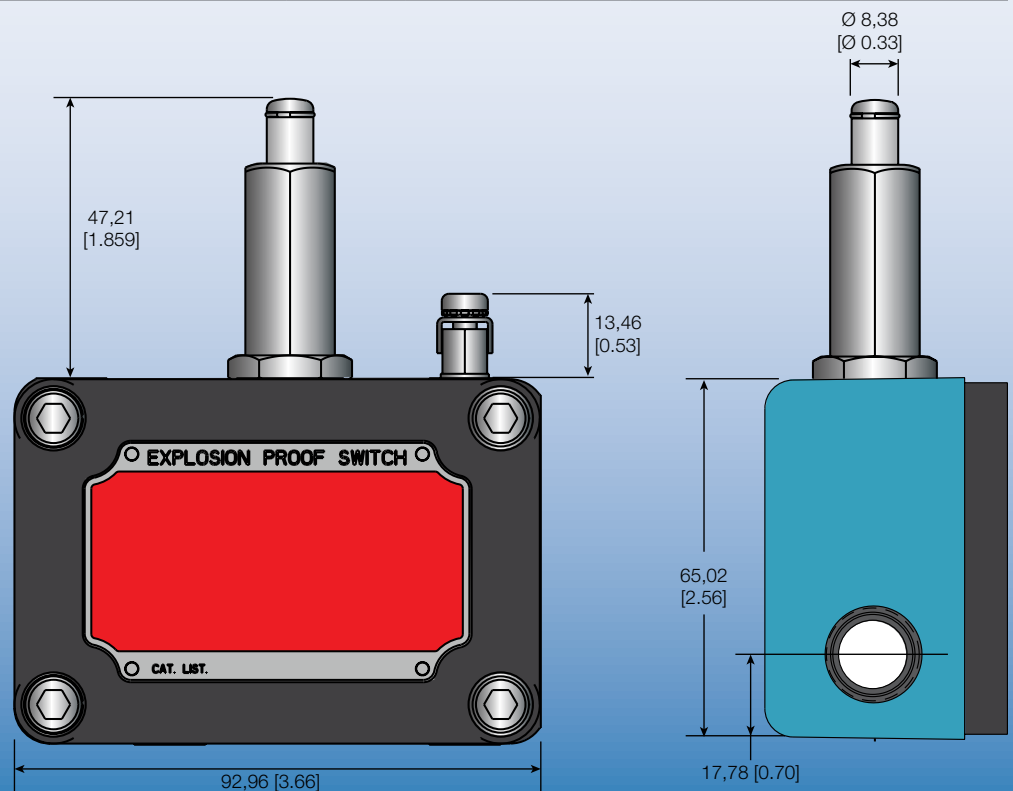
MICRO SWITCH™ EX Series Listings

Catalog Listing	Actuation Type	Actuation	Contact	Electrical Rating*	Other
EX-AR	Roller Lever	Clockwise	SPDT	A	
EX-AR20	Side Rotary	Clockwise	SPDT	A	No lever furnished No lever furnished
EX-AR230	Side Rotary	Counter Clockwise	SPDT	A	
EXA-AR20	Side Rotary	Clockwise	SPDT	B	
EX-AR30	Roller Lever	Counter Clockwise	SPDT	A	
EX-AR800	Roller Lever	Clockwise	SPDT	A	Class 1 / Group B
EX-AR830	Roller Lever	Counter Clockwise	SPDT	A	Class 1 / Group B
EXHT-AR	Roller Lever	Clockwise	SPDT	C	High temperature 204 °C [400 °F]
EXA-AR	Roller Lever	Clockwise	SPDT	B	
EXA-AR62	Roller Lever	Clockwise	SPDT	B	No mounting bracket
EX-AR182	Roller Lever	Clockwise	SPDT	A	Nylon roller
EX-AR141	Roller Lever	Clockwise	SPDT	A	No mounting bracket
EX-Q	Top Pin Plunger	–	SPDT	A	
EX-Q62	Top Pin Plunger	–	SPDT	A	No mounting bracket
EXA-Q	Top Pin Plunger	–	SPDT	B	Low operating force
EXHT-Q	Top Pin Plunger	–	SPDT	C	High temperature 204 °C [400 °F]

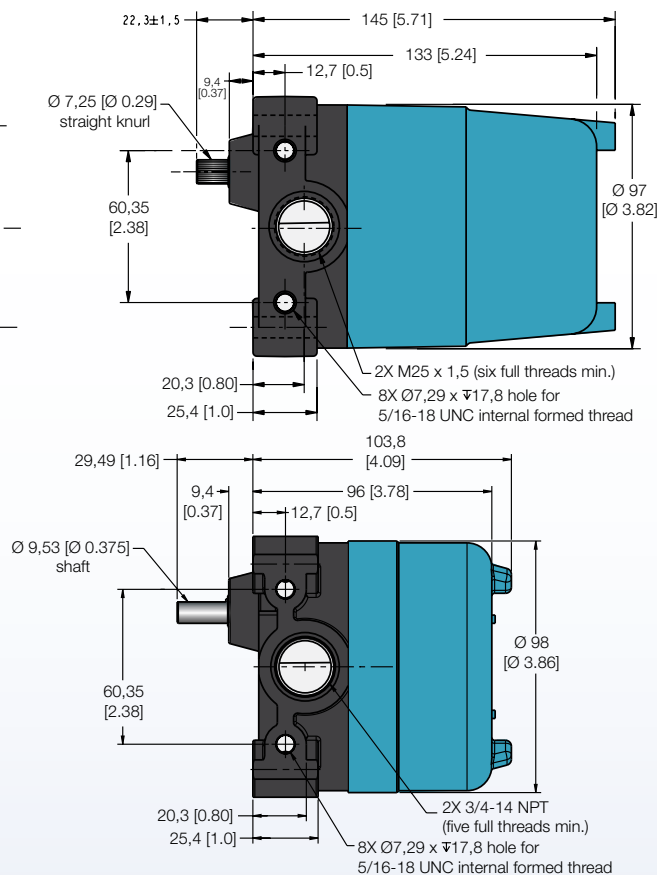
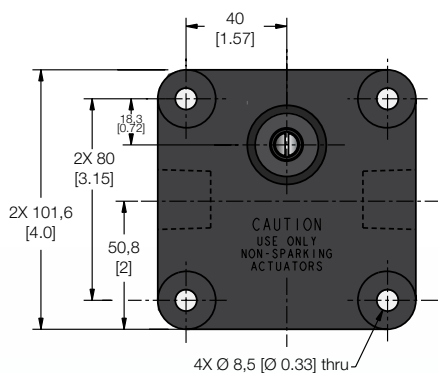
*Electrical Ratings

A	UL/CSA Rating: 15 A, 125 Vac, 250 Vac or 480 Vac; 1/8 HP, 125 Vac; 1/4 HP, 250 Vac; 1/2 amp, 125 Vdc; 1/4 amp, 250 Vdc
B	UL/CSA Rating: 20 A, 125 Vac, 250 Vac or 480 Vac; 10 A, 125 Vac "L"; 1 HP, 125 Vac; 2 HP, 250 Vac; 1/2 amp, 125 Vdc; 1/4 amp, 250 Vdc
C	UL/CSA Rating: 3 A, 125 Vac or 250 Vac; 1/10 HP, 125 Vac; 1/6 HP 250 Vac

Additional options and configurations of this product are available. Please contact your local Honeywell sales representative for more information.



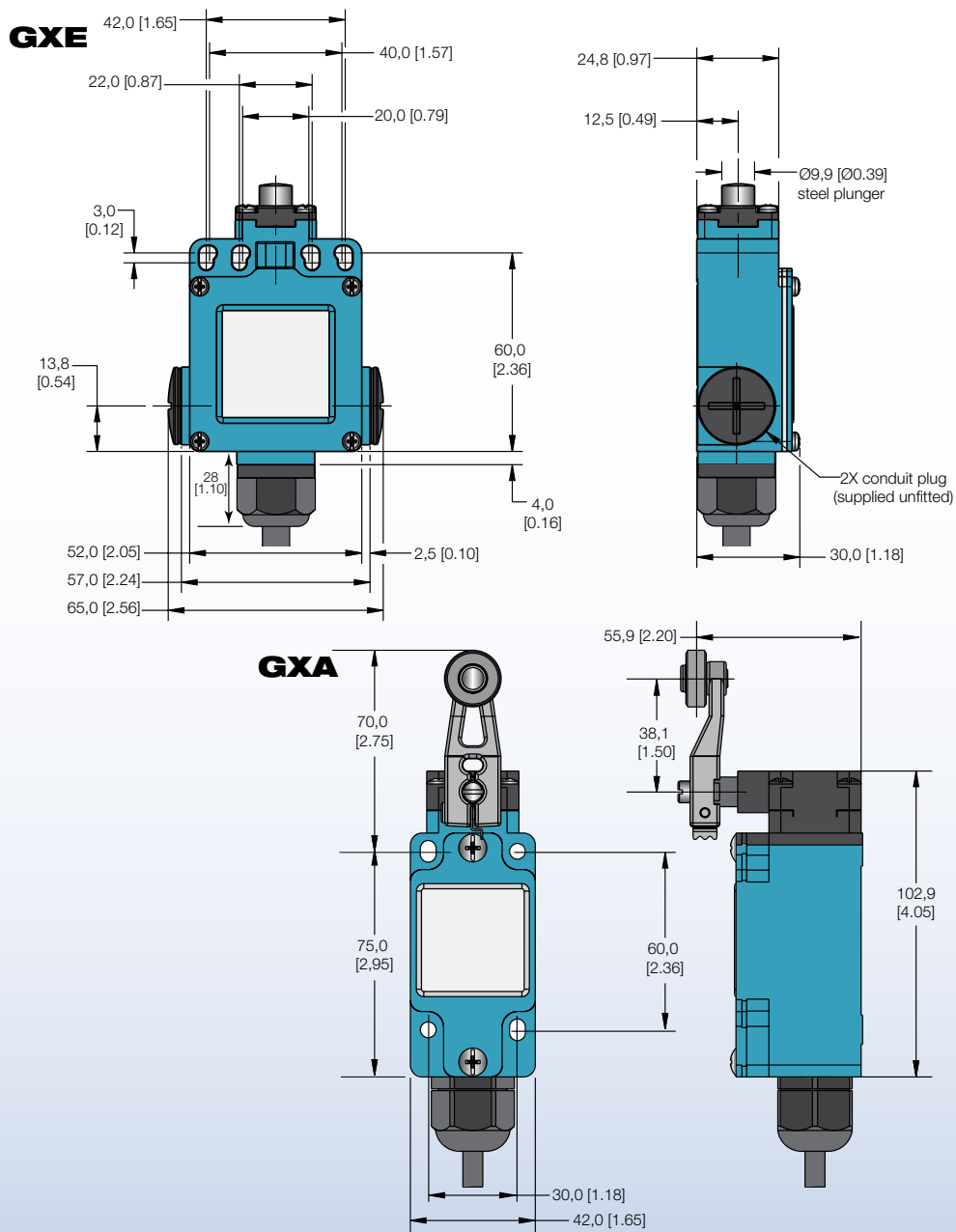
MICRO SWITCH™ Hazardous Area Switches — CX Series



Switch Type	1	1	CX	2	
	Housing Style & Actuator Type	Circuitry		Switches	Additional Options
CX Series Hazardous Area Limit Switch	1 Short housing, side rotary	1 15 A, SPDT basic switch/es	CX Momentary	0 4 mA to 20 mA	Non-threaded thru holes
	2 Standard housing, side rotary	2 20 A, SPDT basic switch/es	CX1 Maintained	1 One switch	A Side mounting, 5/16-18(8)
	3 Short housing, plunger actuator	4 10 A, DPDT basic switch/es		2 Two switches	B Thru mounting, 3/8-24(4)
	4 Standard housing, plunger actuator	6 1 A, SPDT, hermetically sealed basic switch/es		3 Three switches	C Low temperature
	6 Short housing, black epoxy	8 4 mA to 20 mA output for position sensing		4 Four switches	E ATEX/IEC Ex/ INMETRO certified with cover clamp
	7 Stand. housing, bronze material, 5/16-18 UNC-2B mtg holes	172 1 A, SPDT, gold-plated contacts, basic switch/es		5 Two switches, one CW oper., one CCW oper.	M Metric, M25 x 1.5 conduit
	8 Standard housing, bronze material				D01 Flat shaft
	9 Switch assemblies (replacement)				00 Or other numbers, various specials

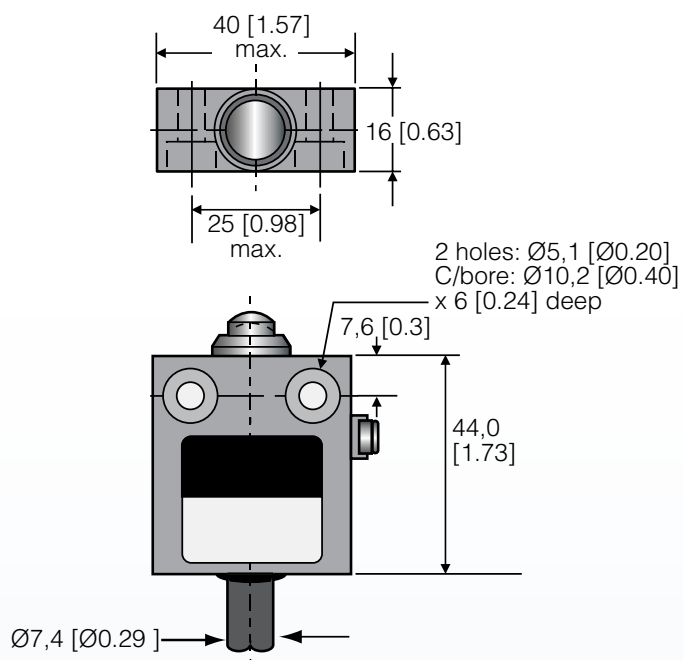
Other special configurations may be available.
For more information, contact your Honeywell representative.

MICRO SWITCH™ Hazardous Area Switches — GXS Series



GXE	#	1	A	A	3
Switch Type	Cable Length	Circuitry	Actuator Type	Side Lever Roller Material	Head Orientation
GXA Series Hazardous Area Limit Switch	5 5 meter cable	1 Silver contacts, snap action	A Side rotary	A Plastic	Lever to front
		2 Gold contacts, snap action	B Pin plunger	B Steel	3 Lever to right
GXE Series Hazardous Area Limit Switch		3 Silver contacts, slow action	C Roller plunger		4 Lever to left
		4 Gold contacts, snap action	D Roller arm		5 Lever to rear

MICRO SWITCH™ Hazardous Area Switches — 14CE100 Series



14CE

Switch Type
14CE Series
Hazardous
Area
Limit Switch

101

Actuator

101 Top plunger

102 Top roller plunger

103 Cross roller plunger

118 Booted top plunger

1

Cable length

1 1 meter

2 2 meters

3 3 meters

4 4 meters

5 5 meters

6 6 meters

8 8 meters

10 10 meters

12 12 meters

15 15 meters



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MICRO SWITCH™ Hazardous Area Switches

- BX/BX2
- LSX
- CX
- EX
- GXE | GXA
- 14CE100

Potential Applications

- Control valves
- Conveyors
- Grain elevators
- Maintenance equipment
- Material handling
- Off-shore drilling
- Paint booths
- Petrochemical and waste treatment plants
- Pipeline valves

Find Out More

To learn more about Honeywell's hazardous location limit switches, contact a Honeywell representative today at **1-800-537-6945** or visit **sensing.honeywell.com**

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Honeywell

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Golden Valley, MN 55422

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